

Geon™ Vinyl Flexible A90U2

Flexible Polyvinyl Chloride

PolyOne Corporation

Message:

GENERAL PURPOSE CLEAR PVC COMPOUND WITH LOW LEVEL OF U.V. INHIBITOR, to be used only in interior applications.

General Information			
Features	General Purpose		
	High Gloss		
Uses	General Purpose		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.3 to 1.7	%	ASTM D955

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	91		
Shore A, 15 sec	85		

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Break	18.6	MPa	
100% Strain	10.9	MPa	
Tensile Elongation ² (Break)	390	%	ASTM D638

Elastomers	Nominal Value	Unit	Test Method
Tear Strength ³	85.8	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	37	%	ASTM D395
Clash-Berg Modulus			ASTM D1043
--	545	MPa	
-24°C	310	MPa	

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-33.9	°C	ASTM D746

Optical	Nominal Value	Unit	Test Method
Transmittance ⁴ (1910 µm)	80.0	%	ASTM D1003
Haze (1910 µm)	5.0	%	ASTM D1003

Injection	Nominal Value	Unit
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Processing (Melt) Temp	193 to 204	°C
Extrusion	Nominal Value	Unit
Melt Temperature	177 to 182	°C
NOTE		
1.	510 mm/min	
2.	510 mm/min	
3.	Die C, 510 mm/min	
4.	CIE Illuminant C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

